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NATION FACES NEW SECURITY PERIL

U. S. Scientific Training Program Continues To Lag Badly Despite Recent Repeated Warnings

By LEONARD J. SNYDER Central Press Association Correspondent

most pressing problems before the National Security council today is what to do about America's lagging scientific training programs.

Top American scientists, military men and civilian defense leaders repeatedly warned in recent months about the possible tragic consequences that might result if the present acute situation is allowed to deteriorate still further.

The NSC's activities are top secret. However, according to one highly authoritative source, the NSC has begun to pull "all stops" in an effort to cope with the crucial situation. President Eisenhower himself is known to be particularly concerned about the ominous "shawod on the wall."

In focusing nationwide attention on the shortage of highlytrained technical and scientific personnel needed for defense work, the government hopes to persuade more youths to ented scientific fields.

If America's young men fail to respond in the numbers needed to the urgent demand for more manpower in the physical sciences, you can expect the government to launche a widespread drive to recruit women into the technical

This, we're told, is highly likely to happe nin the light of past experience.

At the same time it was pointed m out that Rosie-the-Riveter of World War II fame is also needed in defense industries, although her on-the-job training in technical fields other than mere riveting would likely be more complex today than during the war years.



A young American scientist at work. This one is engaged in highly important medical research.

According to the Navy's nucear division chief, Rear Adm. H. Central Intelligence agency, has mmber of scientists and e mber of scientists and engin-

By 1960, he stressed, the Sochines than we can turn out

er is in education as grave a problem as any that faces the tain fields as the United States.
United States today. "Unless it is Chairman of the Atomic En-This is why it has become increasingly necessary for defense
leaders to alert today's youth to
the importance of a thorough ter al prosperity and political
grounding in time-consuming
power will begin to slow down
scientific and technical training and we will be in danger of loscome disastrous" with the next in its
Chairman of the Atomic Endergy commission, Lewis L.
Strauss, put it this way, "In 10 op
stripped." The already dangerous
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situation, he warns, "could beparameters and technical training and we will be in danger of loscome disastrous" with the next in

United States in the total also emphasized this. Between 1950 and 1960, he said recently Russia will have graduated 1,200, 000 scientists and engineers, compared with 900,000 in the United ts may be inventing better states under its present program.

iply because they will have about 800,000 engineers and scire scientific men and women entists compared to Russia's 650, The United States now has ickover considers the present today graduating almost twice as 000. However, the Soviet Union is many technical specialists in cer

believes more scientists should volunteer to conduct classes in scientific study in secondary schools to whip the situation. He also thinks American institutions of higher learning should make sufficient credits in physics and chemistry a requirement for enrollment.

Rickover feels industry and labor groups should financially support every young person who is qualified to obtain a college education.

Rickover would also like to see the salaries of teachers "increased drastically" and the school year lengthened from 180 to about 210 class days. He points out that in Europe, as well as in Russia,

students go to classes six days a

Rickover, moreover, is for a 'dual" school system at the secondary level which permits bright students to forge ahead in high schools with higher standards.

.It is interesting to note that in Soviet Russia students begin to pecialize while in secondary chool, where 40 per cent of all instruction is devoted to science.

There is only a small number f Russian graduates in the huanities, whereas between 65 and per cent of all graduates in is country are in the social sciaces and the liberal arts.

While the problem has many mifications, authorities are not much concerned about lowerg the numbers of those in the cial sciences as they are about tting more qualified students o the physical sciences.

One major problem, then, is to en the doors of learning to re students interested in scie, while another is to help the way of scientifically.

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the cold war in default." Sanitized - Approved For Release : CIA-RDP70-00058R000100030002-5